Adithya Sai Lenka

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₽ Profile

An enthusiastic and hard-working Post Baccalaureate Fellow at RBCDSAI, IIT-Madras with expertise in Python, Pytorch, C/C++, and Data Structures and Algorithms; Aiming to pursue an MS in Artificial Intelligence with a concentration in Computer Vision and Deep Learning to later work as a Research Scientist in Machine Perception of Visual Information.

ℰ Education

CGPA: 8.8012/10

B.Tech.(Hons.), Computer Science & Engineering

07/2019 - 07/2023 Thanjavur, India

SASTRA University ♂

Relevant Courses: Data Mining, NLP, Machine Learning Honors Coursework: Deep Learning and Computer Vision

Top 5% in the tests conducted by NPTEL administered by IIT-M

Dysarthric Speech Recognition

04/2022 - 06/2022

Built a bag of models for slurred speech classification using Hidden Markov Models for robust representation learning and Support Vector Machine as discriminative classifier to achieve accuracy of 86.3%.

⊕ Professional Experience

Robert Bosch Centre for Data Science & Artificial Intelligence

12/2023 - present IIT-Madras, India

Post Baccalaureate Fellow ♂

- Thermal Guided Low-Light Image Enhancement

Developed a transformer-based deep learning model to recover a well-lit image given a pair of low-light and thermal images.

- Stereo Low-Light Image Restoration

Performed a study on the advantage of using left and right images for image restoration tasks such as super-resolution, denoising and low-light enhancement.

- Point Cloud Semantic Segmentation

Currently experimenting on building deep learning models for point-wise semantic classification of 3-D point clouds.

Pytorch



Programming Languages

Deep Learning Frameworks

Computing

Python C/C++

Tensorflow (limited)

Experience with NVIDIA GPUs Windows, Linux & MacOS

Java (limited)

ဦး Internship Experience

ShopUp 09/2022 - 10/2023

SRE Intern Bangalore, India

Automated CORS testing to enhance security of the site and report vulnerabilities due to misconfiguration.

Vasquez Lab, Dell Pediatric Research Institute, UT Austin

Undergraduate Research Intern Austin, TX, USA

Implemented Interval Search Tree data structure to combine multiple data sources and perform analysis to correlate methylation, Z-DNA formation and mutation.

ShopUp 08/2022 - 09/2022

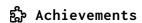
SRE Intern Bangalore, India

Automated ingestion of log data to persistent storage allowing the Data Science team to query and perform analysis.

🖺 Certificates

Deep LearningPythonMachine LearningTensorFlowCourseraCourseraCourseraCoursera

Data ScienceHonours CoursesQuantum ComputingPadhAINPTELNPTEL Code Program



Guinness Record Title Holder 05/2017

Part of the Largest Electronic Keyboard Ensemble

JEE (2019)

Main - 97.0795927 percentile Advanced - 24,468 All India Rank

தூ Leadership Roles

SASTRA University Football Team Captain 07/2019 - 05/2023

Competed in and won multiple inter-university state-level tournaments Thanjavur, India

DAV - Bharati House Captain 07/2014 - 05/2017

Lead the house to win the Cultural Overall in 2015/16 Chennai, India

គ្លា Community Involvement

SASTRA Student ExNoRa Thanjavur, India

Took part in multiple environmental service activities including cleaning campus and neighbouring communities.

Association of Computer Engineers,

SASTRA

Core team member - Mentored junior students in learning competitive coding and data structures and algorithms.

Thanjavur, India

02/2023 - 07/2023